

SECRET

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SUBJECT: EVALUATION OF GLASS LAMP MISSION G-042

1. QUALITY SUMMARY: THIS MISSION PROVIDES IMAGERY COMPARABLE TO GLASS LAMP MISSION G-039. THE IMAGERY APPEARS SOFT, POSSIBLY DUE TO HIGH FREQUENCY VIBRATION. THIS DEGRADATION IS APPARENT ON ALL FRAMES OF THE MISSION. THE GROUND RESOLUTION AND INTERPRETATION SUITABILITY ARE POOR TO FAIR. CLOUD COVER AND HAZE OBSCURE APPROXIMATELY 20 PERCENT OF THE ENTIRE MISSION.

## 2. MISSION DATA

A. THE STANDARD "B" CONFIGURATION CAMERA, UNIT NUMBER 24, WAS USED IN MISSION G-042 FLOWN ON 9 SEPTEMBER 1968. MODE 5 WAS USED THROUGHOUT THE MISSION.

B. FILM TYPE 3400 WAS USED THROUGHOUT THE MISSION. PROCESSING WAS ACCOMPLISHED BY NAV RECON TECH SUPPCEN.

## 3. ORIGINAL NEGATIVE:

A. EXPOSURE: THE FIRST PART OF THE MISSION IS SLIGHTLY UNDEREXPOSED; HOWEVER, AS SOLAR ELEVATION INCREASES, THE EXPOSURE BECOMES ADEQUATE.

B. DENSITY AND CONTRAST: GENERALLY MEDIUM; HOWEVER, THE

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FIRST PART OF THE MISSION IS VERY THIN DUE TO UNDEREXPOSURE OF THESE FRAMES.

## C. IMAGED DEGRADATIONS:

(1) 9R SIDE: A MINUS DENSITY SPOT 0.025 INCH IN DIAMETER IS LOCATED 3 INCHES FROM THE INBOARD EDGE AND 0.4 INCH FROM THE SUPPLY END OF ALL FRAMES IN THE MISSION.

(2) 9L SIDE: A PLUS DENSITY STREAK 1.0 INCH FROM THE TITLED EDGE, THREE INCHES LONG IS LOCATED IN FRAME 001.

(3) BOTH SIDES: OUTBOARD AND INBOARD ROLLER CHATTER ARE PRESENT INTERMITTENTLY THROUGHOUT THE MISSION.

## D. PHYSICAL DEGRADATIONS:

(1) 9R SIDE: HEAT SPLICES ARE PRESENT BETWEEN FRAMES 301/302, 602/603, 903/904, 1208/1209, 1507/1508 AND IN FRAME 1131. MANUFACTURER'S SPLICE IS PRESENT IN FRAME 688.

(2) 9L SIDE: A HAIRLINE SCRATCH IS PRESENT 2.25 INCHES FROM THE TITLED EDGE THROUGHOUT THE MISSION. HEAT SPLICES ARE BETWEEN FRAMES 603/604, 301/302, 1207/1208, AND IN FRAME 1805. MANUFACTURER'S SPLICE IS PRESENT IN FRAME 1354.

E. AUXILIARY DATA: THE FRAME COUNTER OPERATION WAS SLIGHTLY

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ERRATIC. IT SKIPPED NUMBERS 0002 AND 2227. THE COUNTER REPEATED NUMBER 0100 FOR ONE EXTRA FRAME, NUMBER 0300 FOR THREE EXTRA FRAMES, NUMBER 0400 FOR TWO EXTRA FRAMES AND NUMBER 0700 FOR ONE EXTRA FRAME. ALL OTHER DATA RECORDING EQUIPMENT FUNCTIONED PROPERLY.

F. THE LAST TITLED FRAME ON BOTH SIDES IS 2234.

## 4. POSITIVES

A. THE PRINTING AND PROCESSING WERE GOOD.

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END OF MESSAGE

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